SAORVIEW
IRELAND'S FREE DIGITAL TELEVISION SERVICE

TRIAX

TSC 114

Saorview HD Combi Receiver

Part no. 305018

Operating Manual

SAORVIEW offers the best Irish television – free for everyone.

Operating Manual

- The illustrations and the OSD in this operation manual are for explanation and guidance purposes only.
- The examples used throughout this manual are based on the TSC114 HD Combi Receiver model.

Dear Triax customer

Thank you for purchasing the **TRIAX TSC114 (Saorview HD Combi Receiver**).
To ensure safety and many years of trouble-free operation, please read the **Important Safety Precautions** carefully before using this product.

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Introduction

Important Safety Precautions

- Cleaning - Unplug the AC power adapter from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.
- Use a soft damp cloth to gently wipe the product when it is dirty. To protect the product, do not use a chemical cloth to clean it. Chemicals may cause damage or cracks in the casing of the product.
- Water and moisture - Do not expose the unit to wet or damp conditions.
- Do not place vases or any other water-filled containers on this product. The water may spill onto the product causing fire or electric shock.
- Ventilation - The vents and other openings in the casing are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- Heat sources - Keep the product away from heat sources such as direct sunlight, radiators, heaters, stoves and other heat-generating products (including amplifiers).
- To prevent fire, never place any type of candle or naked flames on the top or near the product.
- The product uses power even in Standby. Unplug the product from the AC outlet when you are not using it.
- Servicing - Do not attempt to service the product yourself. Removing covers can expose you to electric shock and other dangerous conditions. Maintenance should be performed by a suitably qualified person.

Introduction

Remote Control Unit

1 **TV/RADIO**
Switches between TV display and Radio

2 **MUTE**
Volume on/off

3 **NUMBER PAD**
Select the channel number directly by entering its number. Set the page in digital text mode

4 **REC**
Use to record a programme

5 **PLAYBACK CONTROLS**
Play, Pause, Stop, Fast Forward, Rewind

6 **NAVIGATION ▲▼◀▶ (Cursor)**
Move up/down/left/right in menus and on screen displays
ENTER
Confirm selection in menu/on-screen display

7 **VOL+/-**
Increase/decrease the volume

8 **RECALL**
Return to the previous “MENU” screen

9 **TXT**
Display Digital Text

10 **AD**
Switch Audio Description on/off

11 **FAV**
Display Favourites

12 **SUB**
Switch subtitles on/off

13 **MEDIA**
Selects the Multimedia menu

14 **⏻ (Standby/On)**
Switch between standby and on

15 **GO TO**
Access the functionality in Media

16 **EPG**
Display the Electronic Programme Guide

17 **CH +/-**
Select the channel (Up/Down)

18 **MENU**
“MENU” screen on/off

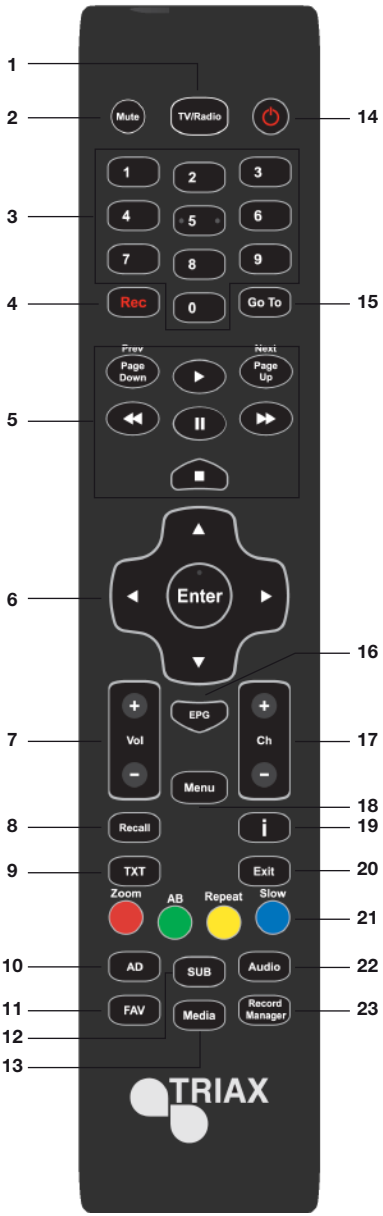
19 **i**
Displays programme information

20 **EXIT**
Closes the “MENU” screen

21 **COLOUR BUTTONS**
For interactive use and navigating menus

22 **AUDIO**
Select the desired audio language

23 **RECORD MANAGER**

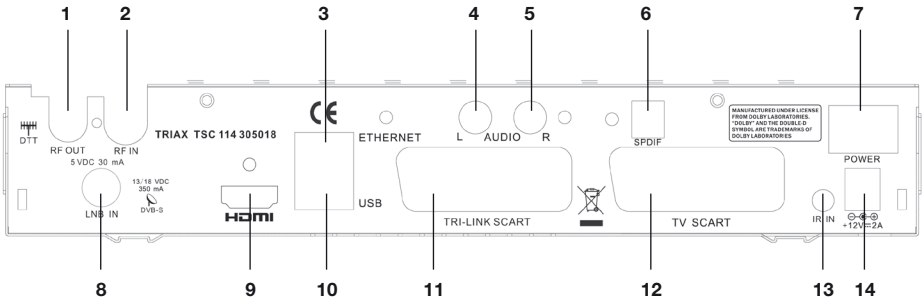


Introduction

Receiver (Front View)

+ CHANNEL UP
- CHANNEL DOWN
⏻ STANDBY BUTTON

Receiver (Rear View)



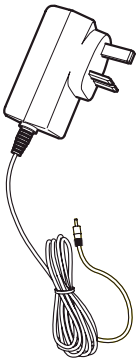
1 RF Out
2 RF In
3 ETHERNET port - for future services
4 Audio L
5 Audio R
6 Digital SPDIF Coaxial
7 Power Switch
8 LNB In
9 HDMI™ Output
10 USB: SW Upgrade and Record Function
11 Tri-Link SCART
12 TV SCART
13 IR In
14 DC Power Socket

Introduction

Supplied Accessories

Remote Control Unit (x1)

Power Adaptor (x1)



HDMI Cable (x1)

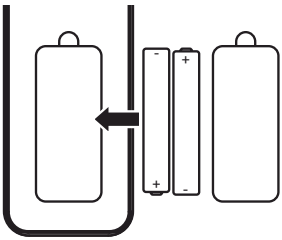
TSC 114 Operating Manual

AAA Batteries (x2)

Preparation

Inserting the batteries

Before using the Receiver for the first time, insert the two supplied “AAA” size zinc-carbon batteries. When the batteries become depleted and the remote control unit fails to operate, replace the batteries with new “AAA” size batteries.



1 Open the battery cover.

2 Insert the two supplied “AAA” size zinc-carbon batteries.

- Place batteries with their terminals corresponding to the (+) and (-) indications in the battery compartment.

3 Close the battery cover.

CAUTION

Improper use of batteries can result in chemical leakage or explosion.
Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause skin irritation. If you find any chemical leakage, wipe thoroughly with a cloth.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.
- When replacing the batteries, use zinc-carbon batteries instead of alkaline ones.

Note on disposing batteries:
The batteries provided contain no harmful materials such as cadmium, lead or mercury.
Regulations concerning used batteries stipulate that batteries may no longer be thrown out with the household rubbish
Deposit any used batteries free of charge into the designated collection containers set up at your local recycling centre.

Using the remote control unit

Use the remote control unit by pointing it towards the front of the Receiver.
Objects between the remote control unit and sensor may prevent proper operation.

Cautions regarding the remote control unit

- Do not expose the remote control unit to shock. In addition, do not expose the remote control unit to liquids and do not place in an area with high humidity.
- Do not place the remote control unit under direct sunlight. The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote control sensor of the Receiver is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or the Receiver, or operate the remote control unit closer to the remote control sensor.

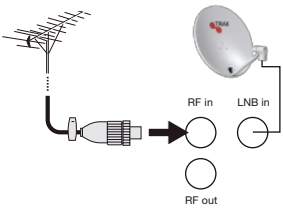
Quick Guide

Initial installation overview

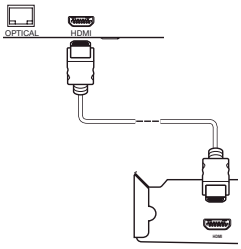
Follow the steps below one by one when using the Receiver for the first time

1 Preparation

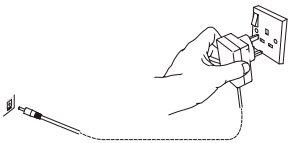
1 **Connect the antenna cable to the RF IN terminal and Satellite cable to LNB in**



2 **Connect the Receiver to your TV using the supplied HDMI cable**



3 **Connect the power adapter to the Receiver and switch socket on.**

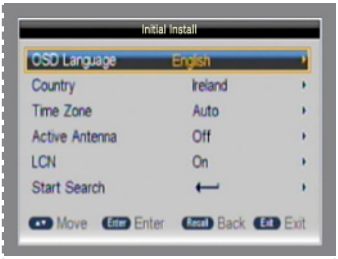


2 Run the Initial Settings

1 **Turn on the standby button on the Receiver** (Page 10)

2 **Run the first time installation** (Page 9)

Ensure the antenna and / or satellite is connected



Highlight Start Search

Press ENTER to continue

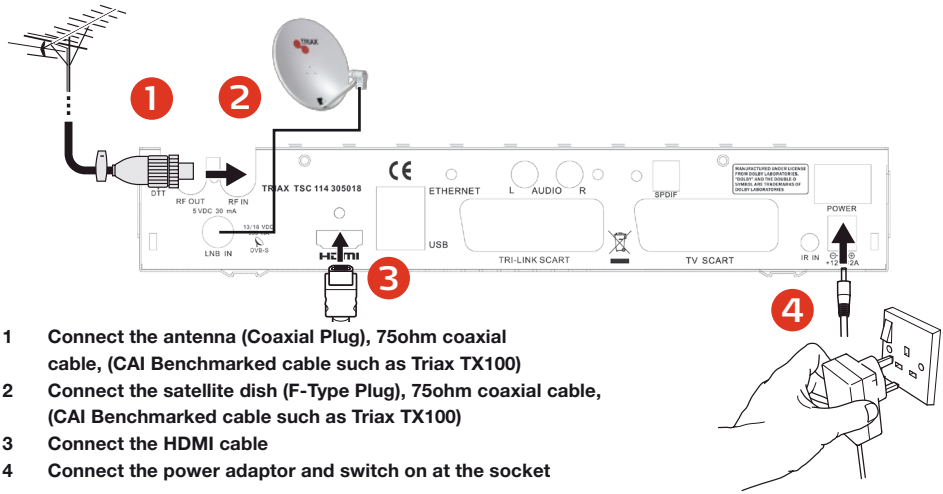
3 Watch TV

1 **Congratulations! You can now watch TV**

2 **If neccessary, adjust the antenna to attain maximum signal reception**

Quick Guide

Before turning on the power



1 **Connect the antenna (Coaxial Plug), 75ohm coaxial cable, (CAI Benchmarked cable such as Triax TX100)**
2 **Connect the satellite dish (F-Type Plug), 75ohm coaxial cable, (CAI Benchmarked cable such as Triax TX100)**
3 **Connect the HDMI cable**
4 **Connect the power adaptor and switch on at the socket**

Initial auto installation

When the Receiver is powered on for the first time, the **Initial Installation** screen appears. Follow the on-screen instructions to search for all available channels.

Confirm the following before turning on the power

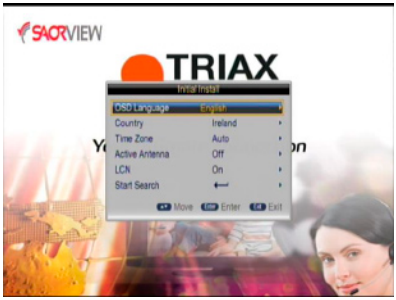
- Are the Terrestrial and Satellite cables connected?
- Is the power adapter connected and plugged in?
- Is the HDMI cable connected between the receiver and your TV?

1 **Ensure the aerial and satellite cables are connected before switching on.**
2 **Press the enter key on the Receiver or Remote Control.**
- The Initial Installation screen is displayed.

3 **Highlight Start Search, and press ENTER to start the channel search.**
- The Receiver will search for, sort and store all Terrestrial channels according to their LCN numbers.

NOTE

- **After the Initial Installation has been completed, the default PIN is automatically set to '0000'. To change the PIN setting, refer to Page 25.**



Getting Started

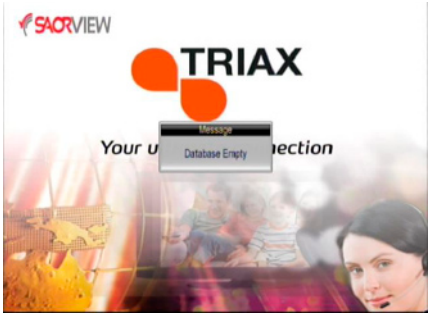
Connect the Aerial to RF IN, Satellite to LNB IN and connect the External Power Supply to the DC Input. Connect the HDMI or SCART output to the TV.

Initial Power Up - Power On/Off

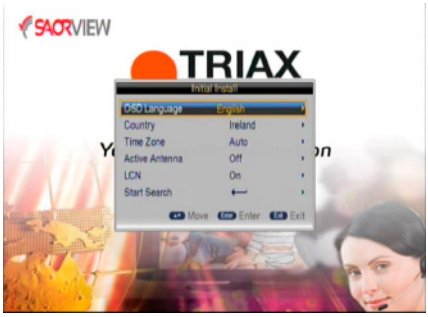
When in “Standby” mode, press the Standby button on the remote control to switch on the receiver. Pressing the button again will put the receiver back in to “standby” mode.

Initial Installation - Exited Prior to Channel Search

If the initial installation screen is EXITED before storing channels the receiver will have an empty database, see picture below. To store channels either perform a reset or access the Installation Menu.



The initial installation screen shows several basic set-up parameters.



The user can select the OSD Language, Country, Time Zone, Active Antenna and LCN from this menu.
Press “Start Search” to search channels.

Volume Adjustment and Mute

Press “Vol +/-” to adjust the volume when the system is in normal play mode; A volume bar is displayed

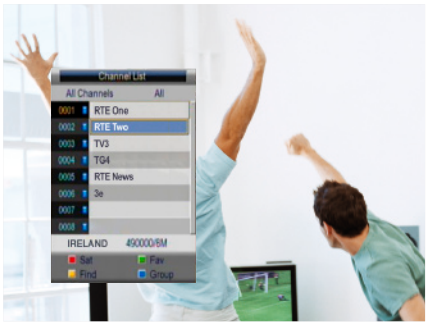
Press “Mute” to disable the sound, pressing “Mute” again will enable the sound.

Changing Channels

Press “CH+/-” to switch to the previous or next programme in the channel list.
Alternatively press the number keys to input the programme number directly.

Quick Channel

Press “ENTER” to display the Quick Channel Programme List. Press “LEFT/RIGHT” to move a page at time. Press “UP/DOWN” to select the desired programme.



Press “ENTER” to select channel. If there are favourite channels set up, press ‘GREEN’ to select ‘FAV’ list, then press ENTER to select required list.

Press “UP/DOWN” to select the required channels, Press “ENTER” to confirm the selection.

Programme Information

Press the “i” key twice to show information on the current programme.

Press the “EXIT” button to return to the previous selected channel.

Audio Language and L/R Channel Buttons

Press the “AUDIO” button to switch the audio language of the current programme and switch between option:

Press LEFT/RIGHT to switch between stereo ▶ left right ▶ (stereo ▶ left channel ▶ right channel).

Press UP/DOWN to switch the audio language.

Entering the EPG

You can press the “EPG” button on the remote control to enter the EPG page.

Enter the EPG menu, “Weekly” mode, (7 Day EPG), is the default setting. This menu has 6 parts:

1 EPG title
2 Time and date
3 Selected date
4 Channel list, press “UP/DOWN” to switch between channels
5 Shows the time range and programme information
6 Shows information for coloured keys, on the remote control

Press “LEFT/RIGHT” to switch between programmes in the list

Press the “RED” key to enter into NOW/NEXT, DAILY/WEEKLY” mode which displays the channels and programme information in different time ranges.

Press the “YELLOW” button for “Prev Day” and “BLUE” button for “Next Day”

Press “UP/DOWN” button to move upward and downwards to switch between the different channels in the list

Press “LEFT/RIGHT” button to view the programme information in different time ranges

When a programme is selected, press the “i” button to select the “Extended” information corresponding to the current program, as shown below.

SAORVIEW
Extend Mode
0001 RTE One
18/10/2011 14:05:41
13:45-14:15 Doctors
My Sunshine: Rob discovers the shocking reason why an elderly man is refusing to let the council clear his house of rubbish, and Elaine is named as Harrison's scarlet woman. Also in HD. [AD,S]
Language : English
Event ID : 36955
Parental Rating : 0
Genre : Drama
Move
Page + -
Back

When a programme is high-lighted from the channel list, press the “Green” button once to set a reminder and twice to schedule the recording.

Press “Green” button a third time to cancel the reminder or recording.

Press “Exit” to leave the EPG.

Digital Text

Some channels are broadcast with digital text which contains pages of information and entertainment. News, weather, sports information, stock exchange prices and programme previews are among the many services.

Accessing digital text

1 Select a channel which broadcasts digital text.

2 Press TXT or the ● button.

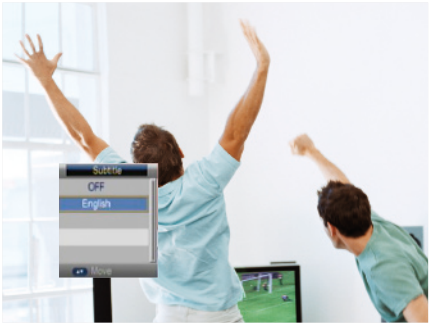
- Not all channels broadcast digital text.
- You may not be able to receive digital text if you have a poor quality signal.

Buttons for digital text operation

Buttons	Description
▲/▼/◀/▶	Navigate the digital text index page and menu system
Coloured Buttons	Access digital text shortcuts. These are often displayed on the bottom of the page
Numeric Buttons 0-9	Directly select a page
EXIT / TEXT	Exit digital text

Subtitles

Default subtitle setting is off. To switch on subtitles, press the “SUB” button on the remote control to enter the subtitle menu of the current programme.

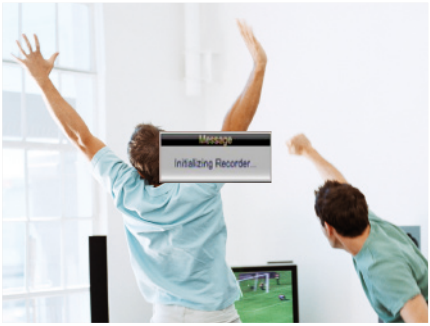


Press the “UP/DOWN” button to choose the required language. Press ‘ENTER’ to select the language and leave the menu. To turn off press “Sub” button on remote control, select “Off” and press “ENTER”

Record & Time Shift

In order to use these features an external USB HDD must be used (Not supplied).

At playback screen press “REC” button to start recording. The system will take approximately 3 seconds to initialise.



When a recording has been initialised, the front panel LED's will flash slowly between red and blue. This shows the current programme is being recorded. Pressing "i" displays the information on the current recording.

Pressing the stop button while recording, will prompt a 'Confirm Stop Rec' message and resume normal playback.

When recording, you can also use the "REC" button to set a timer to stop recording, pressing "REC" again allows you to reset the timer.

If there is insufficient memory space while recording, the system will show a prompt message, stop recording and resume normal playback mode.

If a recording fails due to memory storage problems, the system will show a prompt message and try again.

During recording, you can also operate the Menu, EPG, TTX, Subtitle and so on, as if in normal playback mode.

Time Shift Mode

Time Shift Mode is only available when an external HDD is connected to the receiver. (Not supplied)

(1) In time shift mode, you can pause a live programme.

(2) Pressing the “PAUSE” button will start the time shift mode. The “Time Shift” icon will be shown on the screen during this operation. “PAUSE” is the default setting.

3) Pressing the “<<” rewind button or “>>” fast forward button when in time shift mode, will rewind or fast forward the “Time shift” recording.

(4) In time shift mode, when the “STOP” button is pressed, it will exit time shift mode and return to live broadcast.

(5) In time shift mode, when Fast Forward catches up with the live broadcast, it automatically exits time shift mode, and returns to the current programme.

Installation

There are three kinds of Installation modes:

(1) DVB-T (Terrestrial)

(2) DVB-S (Satellite)

(3) All

Press Menu and select “Installation” from the “Main Menu”. A PIN Number is required (default PIN is 0000).

DVB-T Main Menu / Installation

Auto Search is an intelligent and convenient mode of programme searching. It searches all frequencies within the selected region.

Countries include Ireland/Denmark/Portugal/ Turkey/Poland/Hungary/Columbia/UK/Germany/ Italy/France/Spain/Netherlands/Taiwan/China/ Norway/Sweden/Finland/Greece/Australia/ Russia. Select “Auto Search”, then press the “ENTER” button to start the “Auto Search”.

LCN

LCN is defualt to “ON” and sets the logical channel number for the terrestrial scan.

Active Antenna

Active Antenna is defaulted to “OFF” when switched on provides 5V for a masthead amplifier. Note, most mastheads operate on 12V so an external PSU would be required.

DVB-T Auto Search

After selecting the “Auto Search” page, the receiver will scan all frequencies one by one for the selected country.

During scanning, you can press the “EXIT” key to stop the scanning process and exit.

If any programmes are detected and the scanning process has finished the system will exit the scanning page, save the programmes and return to the “installation menu”.

DVB-T Manual Search

If you know the frequency of the channels, or if you want to scan a channel at a particular frequency, you can select manual search.

Move the cursor to “Manual Search” using the “UP/DOWN” button when in the “installation menu”. Press “ENTER” to select the manual search page.

To carry out a manual search, you need to configure the relevant parameters including:

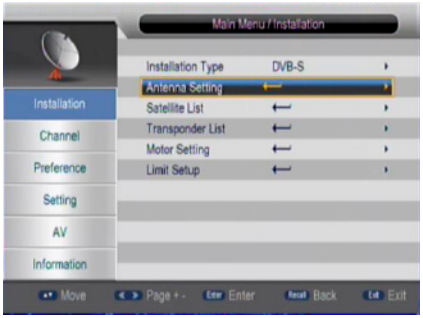
(1) Frequency (kHz): The default frequency depends on the selected country, you can input relevant information to modify it.

(2) Bandwidth: The default value of bandwidth depends on the selected country. It can be set to 6 MHz,7 MHz, or 8 MHz.

(3) High-light “Start Search” and Press the “ENTER” button to start manual scan.

(4) Press the ‘EXIT’ button to return to normal viewing.

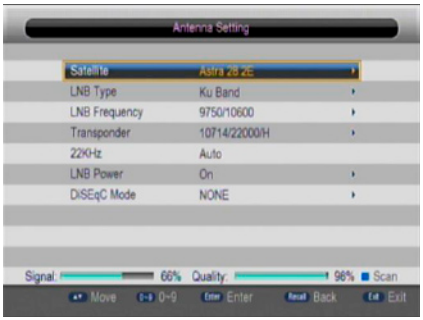
DVB-S Main Menu / Installation



Antenna Setting

From this menu you can change the parameters of a new satellite added to the list. See Satellite List on Main Installtion DVB-S Installation DVB-S Menu.

To leave the Antenna Setting Menu press “EXIT” to return to “Live” broadcast or “RECALL” to go back to the DVB-S Menu.



Satellite List

From the Satellite List press the “RED” button to add a new satellite.

Use UP/DOWN arrows to select the different properties in the add satellite dialogue box. To change a property eg, such as “Satellite Name” Highlight and press “>” right arrow button which brings up a rename box. Use UP/DOWN, LEFT/RIGHT arrows to select characters.

Use Key coloured buttons to select appropriate options.

Transponder List

The Transponder List stores a database of transponders for a given satellite. As a default the ASTA 28.2E and Eurobird 1 28.5E satellites have a fully populated list.

When a new satellite is created as above in the Satellite List menu, the user can then add transponder information (see picture below).

Use the Key coloured buttons to select the appropriate options.

Motor Setting

Sets up HH Mounts for motorized dishes. Consult motor user manual.

Limit Setup

Limits East West variation that the dish can move. Consult motor user manual.

Installation Type ALL

This function performs an AUTO search on Terrestrial and on Satellite. Default satellite set to Astra 28.2/Eurobird 28.5E.

To start search highlight “START SEARCH” and press “ENTER”

Channel Management

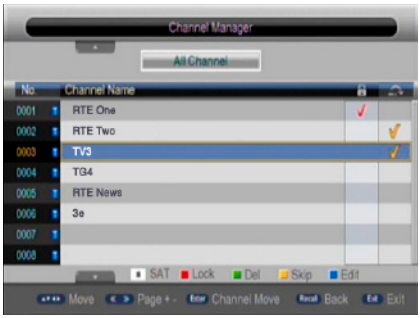
The picture below shows the Channel manager Menu which includes Channel Manager and Favourite List.

Channel Manager

Channel management features include channel lock, delete, skip, edit and channel move.
In order to perform one of the above operations use the UP/DOWN arrow to seelct the required channel then use the options on the bottom of the screen.

There are two independent pages for channel management, TV and RADIO, to access this press TV/Radio button on the RCU.

The picture below shows the Channel Manager.



To Set or Cancel Lock Program, the system will prompt you to input your password (default '0000'). You will be asked to confirm the change, press Enter.

To Delete a programme, a password will be requested followed by a dialogue box "Delete Selected Channels?". Press the 'LEFT/RIGHT' buttons and select "YES" to confirm delete of the chosen channel, select "NO" to Cancel.

Press the Exit button to exit the channel manager menu and save the edited results.

Edit Menu

The edit channel menu allows you to sort the channels, delete all, find, rename and move channels. The edit channel screen is shown below.

To rename a channel, press the "UP/DOWN" button to choose the channel to be renamed. Press the BLUE button to enter the channel rename page. This is shown below:

Press the BLUE button again to confirm and exit the channel rename page.

Favourites List

Enter the page as shown in the figure below via “Main Menu > Channel > Favourite List. There are a maximum of 8 Favourite lists that can be set.

Press UP/DOWN, LEFT/RIGHT button to choose the channel to be selected, then press the numbered keys 1-8 on the remote control to set different favourite lists. Terrestrial and Satellie channels can be stored in the same Favourites list.

To set up a favourite list for TV and Radio channels use the TV/Radio button to toggle between channel lists.

After a channel is edited, press the “EXIT” button to store and exit menu.

To access the favourite list select “FAV” button on the RCU, then press the Green button which shows a drop down menu and allows you to select the required FAV lists marked 1-8.

When the favourite lists have been setup, they are accessed by pressing the “FAV’ button on the remote control. Once a favourite list is displayed, use the LEFT/RIGHT buttons on the remote control to select the desired list.

Preference Settings

The receiver can be configured according to the user preferences by pressing MAIN MENU > PREFERENCE.

OSD Language

OSD Language option: The user interface supports several languages, you can set the language via the OSD language option.

(1) Move the cursor onto the language option, press RIGHT button to enter the OSD language list.

(2) Press the UP/DOWN button to choose the required language.

(3) Press the ENTER button to change to the selected language, the OSD language setting is then activated.

Preferred Subtitle

(1) You can set the subtitle language to your preferred language type. These include English, French, German, Italian, Spanish, Portuguese, Danish, Czech, Dutch, Finnish, Swedish, Greek, Russian, Welsh, Gaelic or Hungarian.

(2) When the preferred subtitle has been selected, it will be displayed automatically providing it is being broadcast.

(3) The user can set another subtitle language in the 2nd preferred subtitle field.

Hard Hearing

Enables/Disables the “Hearing Impaired Feature”.

Preferred Audio

(1) Sets the preferred audio to “English, Irish” etc from the dropdown list.

(2) 1st preferred audio option: Press the RIGHT button to enter the supported audio language list. In the audio language list, press UP/DOWN button to choose the required language, press the ENTER button to confirm.

(3) 2nd preferred audio option: Follow the steps above to set this option.

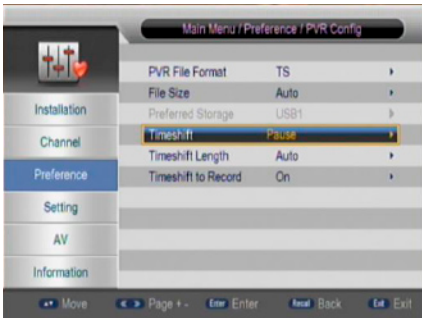
Multimedia

If used in Media mode, you can configure the setting according to your own preference.

PVR Config

You can enter the PVR Configuration page via “Menu > Preference > PVR Config”, this menu contains six options as follows:

- PVR File Format
- File Size
- Preferred Storage
- Timeshift
- Time Shift Length
- Timeshift to Record



PVR Config Setting Page

(1) PVR File Format:
You can select either, TS/PS, to set the format of the file to be stored; if TS mode is selected, related psi/si table information in code stream can be recorded during the programme, if PS mode is selected, AV data is recorded only.

(2) File Size:
You can select from Auto 4G/3G/2G/1G. This sets the size of the file to be recorded; if the size of the file exceeds the set size during the recording it will be divided into separate files. Default to “Auto”.

(3) Preferred Storage:
Sets the USB as storage.

(4) Timeshift:
Three options can be set, AUTO/OFF/PAUSE. To allow timeshift functionality an external USB HDD device must be connected (Not supplied). Auto enables you to rewind live broadcast after you have selected the channel. It only allows you to rewind to the point you first selected the channel.
OFF disables the timeshift option, Pause is default setting and allows you to pause live TV. Press play to view from the last viewed point.

(5) Timeshift Length:
In this setting you can select four options, AUTO/30min/1h/2h, which determines the length of the timeshifted channels duration. Once the time duration has passed the receiver returns to the live broadcast. AUTO is the default setting.

(6) Timeshift to Record:
There are two options available either ON/OFF. When ON is selected during timeshift record the data is buffered to the HDD device but not stored. When OFF is selected during timeshift record the data is recorded and stored on the HDD device.

System Settings Menu

The following options can be accessed in the “System Settings Menu”. To enter this menu press Main Menu > Setting, then press ‘Enter’.

Timers

If you want to watch a channel at a certain time or record programmes, reminders can be set in the Timers menu.

The Timers menu provides a list where timers can be added, viewed, edited or deleted. The list displays both manually added and scheduled timers set via the EPG. A maximum of 99 timers can be set.

Timer Edit Menu

Press the Yellow button to access the Edit menu. See options below.

Programme Name:
Specifies the channel for which the timer is set

Start Time:
Specifies the start time of the timer

End Time:
Specifies the end time of the timer

Duration:
Specifies the duration time of the timer

Mode:
Specifies the frequency of the timer, the duration can be any of the following:

- Once-timer will be triggered only once.
- Daily-timer will be triggered daily at the specified time.
- Weekly-timer will be triggered every week at the specified time.
- Monthly- timer will be triggered every month at the specified time.

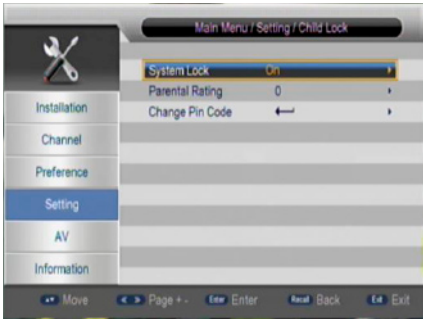
Type:
This option allows you to turn the receiver ON and OFF, set a recording on a channel or change channel at specified times.

Pressing the ENTER key will return the system to the previous menu.

Press EXIT to resume normal viewing.

Child Lock

The Child Lock Menu allows you to set parental rating from 0-18 years.



First Time Set-Up

You can enter a new password of your choice. This process is achieved by entering the default password and then entering a new one. It is recommended that you keep this password in a safe place.

Changing the Password

Enter your selected password, input new password and confirm.

(1) Press the 0 - 9 numerical keys on the remote control to input the Old Password, the system default password is “0 0 0 0”.

(2) If the password is input correctly, the cursor will move to Input “New Password” option, press the 0 - 9 numerical keys on the remote control to input the new 4-digit password.

(3) You will then be asked to confirm the new password.

Date & Time

The “Time Menu” contains different time settings. The following menu layout shows the Time Settings Page:

This option allows you to either set the time and date manually or automatically.

Ethernet Configuration

Option for future functionality.

Factory Reset

This will restore all “Default Settings” The system will prompt the user to input a password (default “0 0 0 0 “) to activate “Factory Reset”.

Upgrade

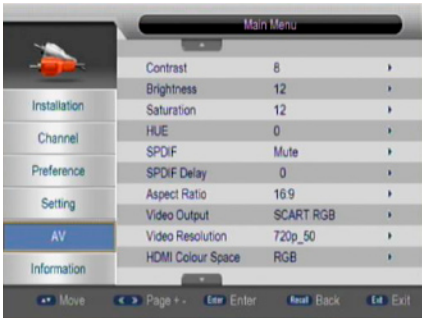
Refer to SOFTWARE UPGRADE Section on page 39 for details.

Auto Standby

Enables/Disables the “Auto Standby”. The user can select 1 Hr, 2Hrs or 3 Hrs, (Default setting is 3 Hrs). If the receiver receives no commands, either from the Remote Control or Front Panel buttons, for the set time, the receiver will automatically enter standby. This feature can be disabled in the menu.

AV Settings

To enter this menu, press ‘MAIN MENU > AV’, then press ‘ENTER’.



Contrast

You can set the system Contrast by using the Contrast option.

(1) To select the Contrast option, press the RIGHT button to adjust the required contrast setting.

(2) Press Recall to go back to the AV settings menu.

(3) The Contrast can be set from 0 to 24.

(4) The default Contrast setting is 12.

Brightness & Saturation

To adjust the Brightness and Saturation settings, follow the same process as for the Contrast setting above.

SPDIF and SPDIF Delay

This setting is used to select Mute, PCM or Bitstream. This function is used on your home theatre system. Refer to installation manual for correct setting.

Adjust SPDIF delay to overcome any lip sync issues.

Aspect Ratio

The Aspect Ratio settings are used to select the video output mode in order to match the receiving equipment. Note that if the video resolution is set to HD such as 720p then only 16:9 option is available.

Select the Aspect Ratio option, press ENTER to select.
Press the UP/DOWN button to toggle between options;
Aspect Ratio can be set as 16: 9, 4: 3 PanScan, 4: 3 LetterBox.

Press ENTER to save the setting.

Video Output

This allows the user to change the video output mode. You can adjust the settings to suit the receiving equipment.

Select Video Output, press the ENTER button to select.
Press the UP/DOWN button to toggle between options;
Video Output can be set as SCART CVBS and SCART RGB Default: Scart RGB
Press ENTER to save the setting.

Video Resolution

Video Resolution mode changes the Resolution of the video output. You can adjust the settings to suit the receiving equipment.

Select the Video Resolution, press the ENTER button to select. Press the UP/DOWN button to toggle between settings.
The Video Resolution can be set as:

576p_50,720p_50,1080i_25,1080p_50
Default: 720p_50.

Press ENTER to save the setting.

HDMI Colour Space

HDMI Colour Space changes the HDMI Output Mode. You can adjust the settings to suit the receiving equipment.

Select the HDMI Colour Space, press the ENTER button to select.

Press the UP/DOWN button to toggle between settings.

The Output mode can be set as YCbCr 4:4:4, xvColor, RGB, YCbCr 4:2:2.
Default: RGB;

Press ENTER to save the setting.

HDMI Deep Colour

HDMI Deep Colour changes the HDMI Output mode. You can adjust the settings to suit the receiving equipment.

Select HDMI Deep Colour, press the ENTER button to select.

Press the UP/DOWN button to toggle between settings.

The Output can be set as 12 Bits, 8 Bits or 10 Bits. Default: 8 Bits.

Press ENTER to save the settings.

HDMI Audio

HDMI Audio allows you to select three options:

PCM
Bitstream
Mute
Default to PCM

Information Version

Displays the receiver information.

This shows the system information, including the H/W Version, S/W Version, F/W Version, Build Date and Time. Press the BACK button to return to the previous menu.

Multi Media

The Triax TSC 114 has a USB Interface. This can be used to connect external equipment (Not Supplied) such as Memory Devices, Media Players and can also be used for system software upgrades. This product supports MP3, JPEG and MPEG.

To enter the Multimedia Mode, press the 'MEDIA' button on the Remote Control. Press again to return to live broadcast TV.

Media Selection Bar

The Media Selection Bar located at the top of the screen allows the user to select the required media function. i.e. Movie, Music, Photo, Record Manager, isc Manager and E-Book.

There are three buttons used in this menu.

Key Stroke	Action
KEY_DOWN	Changes from media selection bar to file list.
KEY_LEFT	Changes the filter selection mode, for instance from movie to music, from music to photo etc.
KEY_RIGHT	The Same as KEY_LEFT

The following table shows all the available filter selection modes and their corresponding icons.

Press 'RECALL' to return to Media Selection Mode.

This menu helps the user to select and play a movie from a list that is stored in the USB device.

Multimedia - Media Selection Bar Icons

"Movie" Media selection icon

"Music" Media selection icon

"Photo" Media selection icon

"Recorder Manager" Media selection icon

"Disc Manager" Media selection icon

"E-Book" Media selection icon

Movie File Browser

Supported file formats are MP4, AVI, VOB, ASF, WMV. The following menu shows the "Movie Menu".

Key Stroke	Action
KEY_UP	Highlights the previous Item in file list. If it passes the first item, the last item will be highlighted.
KEY_DOWN	Highlights the next Item in the file list. If it passes the last item, the first item will be highlighted.
KEY_PAGEUP	Moves up the list by one page.
KEY_PAGEDOWN	Moves down the list by one page.
KEY_LEFT	If the current file has a parent folder, pressing this key will return from the current list to the parent folder.
KEY_RIGHT	If current highlighted item is a folder, it enters the folder.
KEY_ENTER	If the highlighted item is a folder, pressing KEY_ENTER enters the folder. If it is a file then pressing the key will play the selected video.
KEY_RECALL	If the highlighted item is in the file list, pressing KEY_ RECALL returns to the media selection bar. If it is playing a video, pressing the key returns to the previous layout .
KEY_NUM	Press numerical button ie, 1) Takes you to first folder in list. 2) second folder etc. If you input a higher number than there are folders an error message will appear.
KEY_MENU	Toggles between the MEDIA SECTION and MAIN MENU.
KEY_MEDIA	Returns to live broadcast TV.

Movie Playback

The buttons for this menu are shown in the table. Settings are saved when they are changed.

Key Stroke	Action
KEY_RED	Enters / Exit Zoom menu press >> to zoom in, << to zoom out.
KEY_PREV	Stops the current movie and plays the previous movie in the list.
KEY_NEXT	Stops the current movie and plays the next movie in the list.
KEY_PLAY	If the movie is paused, FF, FB, SF or SB, it will change to play and show play icon.
KEY_PAUSE	If playing, this key will pause the movie and show pause icon.
KEY_STOP	Stops the movie.
KEY_FF	Fast forwards the movie. It cycles through the sequence 2x->4x->8x->16x->32x, and the playback mode is displayed in the upper left corner.
KEY_FR	Fast reverses the movie. It can cycle through the sequence 2x->4x->8x->16x->1x, and the playback mode is displayed in the upper left corner.

Key Stroke	Action
KEY_SLOW	Plays in slow mode.
KEY_RECALL	The same as KEY_STOP
KEY_MUTE	Activates the MUTE function - Audio goes off.
KEY_VOLUME	Adjusts the volume
KEY_i	Displays information on the current movie.
KEY_GOTO	The Go To menu is displayed when this key is pressed.

When the video is playing, the following information is displayed on the OSD:

(a) File name.
(b) Total time and the current time for the file.
(c) Play state of this video.
(d) Progress bar.
(e) File size and resolution of this video.
(f) Repeat mode such as off/one/dir.

The information icons shown while video playing are shown below:

Zooms in and out of the image

Stops the current movie and plays the previous movie in the list.

Stops the current movie and plays the next movie in the list.

Play

Pause

Stop

Fast Reverse, (1x, 2x, 4x, 8x, 16x 32x).

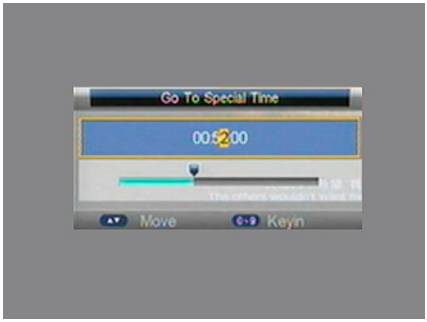
Fast Forward, (1x, 2x, 4x, 8x, 16x 32x).

Slow replay

Fast replay.

Go To Menu

The buttons in this menu are shown below.

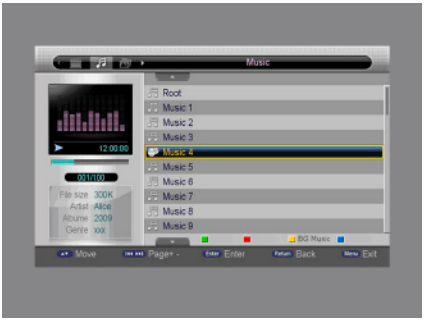


Key Stroke	Action
KEY_UP	Switches between Time edit mode and time move mode.
KEY_DOWN	The same as KEY_UP.
KEY_LEFT	In time edit mode moves the highlighted curser or in move control mode moves the mark.
KEY_RIGHT	The same as KEY_LEFT.
KEY_ENTER	Moves the currently playing movie to the selected time.
KEY_RECALL	Exits the Go To menu.
KEY_GOTO	Exit from the Go To menu.

Music

This menu allows the user to select and play a track from a list of music stored in the storage device.

The following formats are supported WMA, WAV and MP3.



The following points explain the Music menu above.

(1) The file list is the list of folders and music.

(2) On the left of the screen it displays size of file, graphic equaliser and number of tracks in folder.

(3) Background music can be set, press RECALL when track is playing, this will take you to the media menu selection bar. From here you can select another option whilst maintaining background music.

Key Stroke	Action
KEY_UP	Highlights the previous Item in the file list. If it passes the first item, it highlights the last item in the file list.
KEY_DOWN	Highlights the next Item in the file list. If it passes the last item, it highlights the first item in the file list.
KEY_PAGEUP	Moves up the file list by one page.
KEY_PAGEDOWN	Moves down the file list by one page.
KEY_LEFT	If the highlighted file has a parent folder, it returns from the current list to the parent folder.
KEY_RIGHT	If the highlighted file and the current highlighted item is a folder, it can be entered into the folder.
KEY_RECALL	If the highlighted file is in a file list, pressing KEY_RECALL returns from the file list to the media selection bar. If a music track is playing, KEY_RECALL willl stop it.
KEY_PREV	If the highlighted file is music and the music is playing, pressing this key stops this track and plays the previous track.
KEY_NEXT	If the highlighted file is music and the music is playing, pressing this key will stop this track and plays the next track.
KEY_PLAY	If the music is paused, FF, FB, SF, SB or stopped, it will start playing the track and show play icon. The name of the current track will be displayed.
KEY_PAUSE	If the music is playing, pressing this key will pause the music and the pause icon is displayed.
KEY_STOP	Stops the music and shows the stop icon.
KEY_FF	Fast forwards the music. The FF icon is shown and the speed, (1x 2x, 4x, 8x, 16x, 32x) shall be displayed.

Music

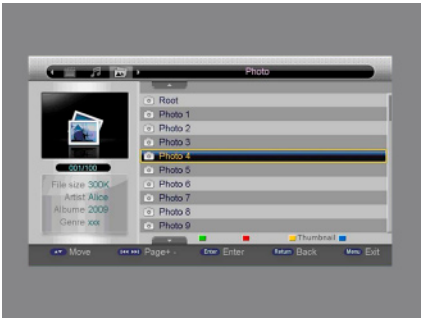
Key Stroke	Action
KEY_FR	Fast reverses the music. The FR icon is shown and the speed, (1x 2x, 4x, 8x, 16x, 32x) shall be displayed.
KEY_NUM	Press numerical button ie, 1) Takes you to first folder in list. 2) second folder etc. If you input a higher number than there are folders an error message will appear.
KEY_MENU	Toggles between the Media Section and MAIN MENU
KEY_MEDIA	Returns to live broadcast TV

When a music track is playing, the following icons are displayed:

Icon	Description
	Stops this track and plays the previous track in the list
	Stops this track and plays the next track in the list
	Play
	Pause
	Stop
	Fast Reverse
	Fast Forward

Photo File Browser

This menu contains the Photos that are stored in the storage device. Supported file formats are JPG, TIF, PNG, GIF and BMP.



Key Stroke	Action
KEY_UP	Highlights the previous item in file list. If it passes the first item, it highlights the last item in file list.
KEY_DOWN	Highlights the next item in the file list. If it passes the last item, it highlights the first item.
KEY_PAGEUP	Moves up the file list by one page.
KEY_PAGEDOWN	Moves down the file list by one page.
KEY_LEFT	Pressing this key moves from the current list to the parent folder.
KEY_RIGHT	If the current highlighted item is a folder, then pressing this key enters the folder.
KEY_ENTER	If the highlighted item is a folder, pressing KEY_ENTER enters the folder. If it is a file then pressing the key will show the selected photo.
KEY_RECALL	In the file list, pressing KEY_RECALL returns from the file list to the media selection bar.
KEY_NUM	Press numerical button ie, 1) Takes you to first folder in list. 2) second folder etc. If you input a higher number than there are folders an error message will appear.
KEY_MENU	Toggles between the Media Section and MAIN MENU
KEY_MEDIA	Returns to live broadcast TV
KEY_YELLOW	Shows the thumbnail menu.

Photo Playback

When a photograph has been selected from the file browser list, it automatically starts the slide show from this point.

While in Photo Playback Mode the table to the side shows the keys that can be used to access the required functionality.

When an image is displayed in full screen then the following keys are active.

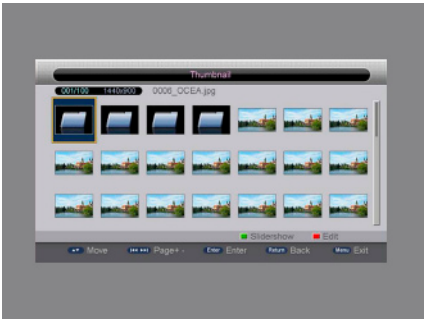
Key Stroke	Action
KEY_UP	Rotates the image 0 degrees.
KEY_DOWN	Rotates the image 180 degrees.
KEY_LEFT	Rotates the image 270 degrees.
KEY_RIGHT	Rotates the image 90 degrees.
KEY_PREV	Displays the previous image in the List. If the displayed image is the first one then the key is ignored.
KEY_NEXT	Displays the next image in the List. If the displayed image is the last one then the key is ignored.
KEY_i	Displays information on the photograph, (see images above).
KEY_PAUSE	Pauses the slide show.
KEY_PLAY	Plays the slide show.
KEY_STOP	Stops the slide show and returns to the Photo menu
KEY_RECALL	Exits the displayed image and returns to the Photo menu.
KEY_RED	Zooms in and out of the image.

The keys for operating Photo Mode are shown below

	Description
	Zoom-in / out of a photo (x4)
	Closes the current photo and shows the previous photo in the list
	Closes the current photo and shows the next photo in the list
	Selects and shows photo
	Pause photo / Slide show
	Return to the file list

Photo Thumbnail

This menu displays the thumbnail view for the photographs stored in the selected folder. The following table shows the thumbnail menu.



Key Stroke	Action
KEY_UP	Highlights the previous item in the same column. If the top KEY_UP of the column is reached, it highlights the bottom item in the column.
KEY_DOWN	Highlights the next item in the same column. If the bottom of KEY_DOWN the column is reached, it highlights the top item in the column
KEY_PAGEUP	Moves up the column by one page.
KEY_PAGEDOWN	Moves down the column by one page.
KEY_LEFT	Highlights the item to the left.
KEY_RIGHT	Highlights the item to the right.
KEY_ENTER	If the selected item is a folder. pressing KEY_ENTER will enter the folder.
KEY_RECALL	Shows the Photo menu.
KEY_MEDIA	Returns to live broadcast TV.
KEY_NUM	Press numerical button ie, 1) Takes you to first folder in list. 2) second folder etc. If you input a higher number than there are folders an error message will appear.

Recorder Manager

The picture below shows the Recorder Manager menu. All recorded programms will appear in this menu.

Key Stroke	Action
KEY_UP	Highlights the previous item in the file list. If the first item is reached, it highlights the last item in the file list.
KEY_DOWN	Highlights the next item in the file list. If the last item is reached, it highlights the first item.
KEY_PAGEUP	This key works in the file list only. It moves Up the list by one page.
KEY_PAGEDOWN	The same as KEY_PAGEUP, it only works in the file list. It moves Down the list by one page.
KEY_LEFT	Returns from current list to the parent folder.
KEY_RIGHT	Allows you to enter a folder.
KEY_ENTER	If a folder is selected, pressing KEY_ENTER enters into the folder. If it is a file then pressing the key will play the selected recorded program.
KEY_RECALL	When in the file list, pressing KEY_RECALL returns from file list to the Media selection bar. If it is playing a recorded program, pressing the key returns to “Recorder Manager Menu.
KEY_RED	If in the root directory, pressing this key sets a partition. If in the sub directory pressing it will delete the selected item.
KEY_GREEN	If in the root directory, pressing this key formats the device to FAT32, If in the sub directory pressing it will rename the selected item.
KEY_YELLOW	If in the root directory, pressing this key formats the device to NTFS.
KEY_NUM	Press numerical button ie, 1) Takes you to first folder in list. 2) second folder etc. If you input a higher number than there are folders an error message will appear.
KEY_MENU	Toggles between the media section and MAIN MENU.
KEY_MEDIA	Returns to Live Broadcast TV

Disk Manager Browser

The Disk Manager Menu allows you to Move/ Copy, Rename and Delete files. The following table shows the functions of the four coloured buttons. The other buttons are the same as those in the file browser menus.

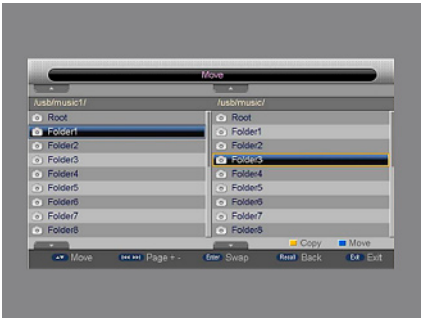
Key Stroke	Action
KEY_RED	Show move/copy menu.
KEY_GREEN	Show rename menu.
KEY_YELLOW	Delete the selected item.
KEY_BLUE	Deletes ALL items

Rename

The Rename Menu has the same Layout and functionality as described on page 19.

Move / Copy

The Move/Copy Menu shown in the picture below.

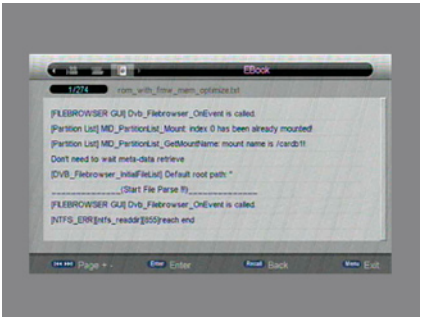


Key Stroke	Action
KEY_UP	Highlights the previous item in the file list. If the first item is reached, it highlights the last item in file list.
KEY_DOWN	Highlights the next item in the file list. If the last item is reached, it highlights the first item.
KEY_PAGEUP	Moves up the list by one page.
KEY_PAGEDOWN	Moves down the list by one page.
KEY_LEFT	Change the selected file from one side to the other side.
KEY_RIGHT	The same as KEY_LEFT.
KEY_ENTER	If the selected item is a folder, press KEY_ENTER to enter the folder.
KEY_RECALL	Return to parent folder.
KEY_EXIT	Return to disk manager menu.
KEY_GREEN	Select the highlighted item and move to the other side.
KEY_YELLOW	Copy the content of the selected item to the other side
KEY_BLUE	Move the selected item to the other side
KEY_MENU	The file browser menu disappears and shows the main menu, or the main menu disappears and shows the file browser again
KEY_MEDIA	Changes the source to DVB

E-Book Browser

The e-book menu allows you to select stored e-books and view them.

The picture below shows the E-Book Menu. In this menu the user can read text files, the menu also shows the name of the current file, the total number of pages and the current page.



Key Stroke	Action
KEY_PAGEUP	Move to previous page, if it is already the first page, it will not move.
KEY_PAGEDOWN	Move to next page, if it is already the last page, it will not move.
KEY_PREV	The same as KEY_PAGEUP
KEY_NEXT	The same as KEY_PAGEDOWN
KEY_NUM	User can input number key to select the required page.
KEY_ENTER	When a page number has been entered, then pressing this key will go to the corresponding page.
KEY_RECALL	Return to file browser menu of e-book.
KEY_EXIT	The same as KEY_RECALL.
KEY_MENU	Toggles between the media selection and main menu.
KEY_MEDIA	Returns to live broadcast TV

Software Upgrade

The receiver software can be upgraded. The software upgrade menu can be accessed through Menu > Settings > Upgrade. This is shown below:

USB Upgrade

The USB upgrade is a fast and convenient way to upgrade the system software. You simply copy the upgrade file onto a USB memory stick and plug the USB device into the system USB interface. You can then upgrade the software as follows:

- USB upgrade:
  - Enter the USB upgrade menu press(menu -> setting -> upgrade -> USB/Card upgrade)
    Enter the USB directory list page, as shown below:

  - Select the upgrade file and press the “enter” button to start the upgrade.
    Enter the upgrade page to show information and prompt the user on the upgrade process:

- The whole USB upgrade process may take a couple of minutes.
- DO NOT switch off the power during the upgrade process.
- When the upgrade has finished, the system will automatically restart with the new firmware.

Triax TSC 114 Specification

Terrestrial		
Tuner / Demodulator	Standard	DVB-T
	Input Frequency*	VHF/UHF Band
	Channel Bandwidth*	7 MHz/8 MHz Switchable
	Power for Active Antenna	5V@35mA with overload Protection through Coaxial Cable
	COFDM System	2K, 8K Carrier, Hierarchical Supported
	Demodulation Type	QPSK, 16QAM, 64QAM, 256QAM
	Guard Interval	1/32, 1/16, 1/8, 1/4 Active Symbol Duration
	FEC	1/2, 2/3, 3/4, 5/6, 7/8
Satellite		
Tuner / Demodulator	Tuner	Airoha AV2011
	Input frequency	950 ~ 2150MHz
	Input signal level	-65dBm ~ -25dBm
	Standard	DVB-S / DVB-S2
	Demodulator	Availink AVL6211
		8PSK / QPSK / BPSK
		(SCPC / MCPC)
	Symbol Rate	2 ~ 45MBaud for DVB-S
		Inner code rate 1/2, 2/3, 3/4, 5/6, 7/8
		Outer code RS (204/188)
		2 ~ 45MBaud for DVB-S2
		QPSK: 1/2, 3/5, 2/3, 3/4, 5/6, 8/9 & 9/10
		8PSK: 3/5, 2/3, 3/4, 5/6, 8/9 & 9/10
	LNB Control	Support for Ku Band
		22K Tone for H/L Band Selection
		13/18V for polarization selection
		with Overload Protection (up to 500mA)
		DiSEqC 1.1 compliant
System	Transport	DVB Demultiplexer
	Flash Memory	8Mbytes SPI NOR
	System Memory	512MBits X 2 DDR2
Video	CPU Core	667Mhz 32bit
	Video Standards	MPEG-1 ISO/IEC 11172-2
		MPEG-2 MP@ML and MP@HL, ISO/IEC 13818-2
		MPEG-4 AVC MP@L4 and HP@L4.1
	Field / Frame Rate	60/30 Hz for NTSC or 50/25 Hz for PAL
	Aspect Ratio	4:3, 16:9 & Letter Box
	Video Input / Output	Digital Video HDMI with HDCP supported
		TV SCART with R/G/B, CVBS OUT (w/ OSD)
		Tri-Link SCART with CVBS OUT (same with TV scart)
		Tri-Link SCART with R/G/B, CVBS IN
		Pin8, 16 for SCART control
	Output Modes	HD
		1080p / 1080i / 720p / 576p
		Output format changed by specific hot-key (software switchable)
		SD
		576i

Teletext / Subtitle		Decoding and display for supporting Closed Captions & Teletext
Audio	CPU Core	667Mhz 32bit
	Audio Standards	MPEG-1 layer I & layer II, MP3
		MPEG-2 layer II , Dolby Digital
		MPEG-2 AAC/AAC+
	Audio Transcoding	DDP to DD for both SPDIF and HDMI audio
	Audio Input / Output	TV SCART for AL/AR OUT (Volume adjustable)
		Tri-Link SCART for AL/AR IN/OUT (same with TV SCART)
		AL/AR for RCA OUT
		Optical Digital Audio SPDIF
	Digital Audio SPDIF	IEC-60958 for PCM data
	Output Format	IEC-61937 for Encoded Bitstream Data
	Sampling Rate	32, 44.1, 48, and 96 KHz
Connectivity	USB Port	Host 2.0, 5V@1A
		Software Upgrade and Diagnostic
		Support external HDD for PVR Ready
	Ethernet	10/100 Base-T
Software Upgrade	USB Port	USB
Front Panel	Keypad	3 Keypads: Standby, CH Up / CH Down,
	IR Sensor	Yes
Rear Panel	RF Input Connector*	Terrestrial ANT IN: IEC type, Female 75 Ohm
		Satellite LNB IN: F type, Female, 75 Ohm
	Loop Through	
	Output Connector	Terrestrial RF Loopthrough OUT: Terrestrial IEC type, Male, 75 Ohm
	AV IN / OUT	Dual SCART for TV / Triax Tri-Link
		For TV SCART: OSD and volume adjustable
		For Triax Tri-Link SCART: IN/Out (Same with TV SCART)
		RCA 2x1 for AR / AL OUT
	Digital Video & Audio Output	HDMI Connector x1
	USB Port	1, “A” Receptacles of USB HOST
	Remote IR Input	
	(IR Receiver extender in)	Phono Jack x 1 (To connect with Triax Tri-Link)
	Power Jack	1, Detachable, (non standard)
	Ethernet Port	1, RJ-45 (For future functionality)
	Optical Digital Audio SPDIF	TosLink Interface
External Power Adapter	Input AC	100~240 VAC, 50/60 Hz (2A adaptor , T.B.D.)
	Output AC	12VDC @ 2A
	Power Consumption	Normal Operation: TBD, Standby Mode: Less than 1W
Others	Mechanical Housing	FP: type Q41

Accessories	Remote Control & Batteries
	User Manual
	HDMI Cable (1.5M)
	RF Cable (1.1M) 45011-00363
EMC/Safety/Eup	Compliant to CE (standard)
RoHS Compliant	Yes
ATC	HDMI 1.4 Compliant, HDCP
Dolby	Compliant to DD / DD+

Triax reserves the right to change the specifications without prior notification.

PIN CODE Reminder

NOTE
You need to insert the PIN code here and refer it to the pages in the manual where this is covered.

IMPORTANT
Removal of a lost PIN code could be subject to a service charge.

Appendix

Trademarks

The Saorview word and logos are trademarks of RTÉ and are used under licence.

This product is capable of receiving and decoding Dolby Digital Plus. Manufactured under licence from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

This product has a HDMI connector so that you can watch high definition TV with a HDMI lead when connected to a HD Ready TV.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Information on the software license for this product

Software composition

The software included in this product is comprised of various software components whose individual copyrights are held by TRIAX UK Ltd or by third parties.

Software developed by TRIAX and open source software

The copyrights for the software components and various relevant documents included with this product that were developed or written by TRIAX are owned by TRIAX UK LTD and are protected by the Copyright Act, international treaties, and other relevant laws. This product also makes use of freely distributed software and software components whose copyrights are held by third parties. These include software components covered by a GNU General Public License (hereafter GPL), a GNU Lesser General Public License (hereafter LGPL) or other license agreement.

Obtaining source code

We are unable to answer any questions about the source code for the open source software. The source code for the software components whose copyrights are held by TRIAX are not distributed.

Appendix

Troubleshooting

The following conditions in the table below do not always indicate a problem. Please perform the checks described below before calling for service. If the problem cannot be corrected by the use of this manual, remove the mains plug from the power socket and contact the **Helpline on 00 44 1443 778910** to obtain service or advice (Normal operator charges apply).

Alternatively you can email us at: **stbsupport@triax.co.uk**.

In the unlikely event of this equipment requiring repair during the guarantee period, you will need to provide proof of purchase to your point of sale. Please keep your purchase invoice or receipt in a safe place.

WARNING
Under no circumstances should you try and repair this product yourself. This will invalidate the guarantee. Do not open the unit as there is risk of electric shock.

Problem	Possible Solution
No power	• Check if you pressed ⏻ on the remote control unit • Is the AC power adapter disconnected? • Check if you pressed ⏻ on the receiver
The receiver cannot be operated	• Turn off receiver at AC adaptor, leave for two minutes and switch back on
Remote control unit does not operate	• Are batteries inserted with polarity (+, -) aligned? • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light illuminating the remote control sensor?
Picture format incorrect	• Refer to page 27.
Power is suddenly turned off	• Is auto standby activated? (Page 26)
No picture	• Are connections to external equipment correct? (Page 9) • Is the correct output source selected? (Page 28) • Is the antenna connected properly? (Page 9)
No sound	• Is the volume too low? • Check if you pressed mute on the remote control unit. • Check SCART lead is inserted correctly if used.
Freezing / Blocking	• Refer to page 9 to perform the First Time Installation.
I cannot see a 7 day EPG on the satellite channels.	• Satellite channels only support Now/Next programme information.
Satellite channels show 'no information available' on the EPG.	• Select the channel to be viewed and programme information will appear.
My external HDD does not work when plugged into the receiver.	Triax has tested many different manufacturers and sizes of external HDD. Unfortunately we are unable to test all models and in some instances a particular model may not be recognised by the TSC114 receiver. The TSC114 supports USB2.0 interface operating at 5V 1A. Your external USB Drive MUST be formatted through the TSC114 Combi Recording menu. An external USB must be connected. Press the "MEDIA" button on the RCU. Select "Record Manager" on the menu. Select your required drive. Press the Green or Yellow button depending on format required.

Appendix

Frequently Asked Questions

What tuners does the TSC114 contain?

The TSC114 receiver has a single Terrestrial and single Satellite tuner which are designed specifically for the Irish market.

What signals can I receive using the receiver?

Receives Irish Terrestrial DVB-T Signals (Standard and High Definition)
Receives Satellite DVB-S/S2 Signals (Standard and High Definition)

How many days viewing can I see on the EPG?

7 day EPG on Terrestrial Channels
Now/Next on Satellite Channels ONLY

What is PVR functionality when an external USB is connected to the USB port?

Allows you to watch a Terrestrial programme while recording a Satellite programme OR Allows you to watch a Satellite Programme while recording a Terrestrial programme.

Can I change the channel listings?

Channel editing capabilities include moving channels and delete. As an example you can move BBC One HD on Satellite to anywhere on the channel list. And delete any unwanted channels from the channel list (See Page 17)

How do I set a partition on an external USB which is dedicated to TV recording only?

An external USB must be connected. Press the “MEDIA” button on the RCU. Select “Record Manager” on the menu. Select your required drive. Press the Red button to set the partition.

Appendix

Channel Moving Function and Renumbering

Channel Moving

From initial terrestrial scan with LCN function ON (Default) to move a channel perform the following operation.

1. Press “Menu” on RCU
2. Go to Channel, press Enter to access Channel manager, press “Enter”
   Up/Down, left/right arrows to select required Channel to be moved. Press “Enter” then use Up/Down, left/right arrows to go to select the required position, Press “Enter”

The Channel will then be at this location but will keep the original channel number.

Channel Re-numbering

From initial terrestrial scan with LCN function OFF to move a channel perform the following operation.

1. Press “Menu” on RCU
2. Go to Channel, press “Enter” to access Channel manager, press “Enter”
   Up/Down, left/right arrows to select required Channel to be moved. Press “Enter” then use Up/Down, left/right arrows to go to select the required position, Press “Enter”

The Channel will then be at this location and will display new channel number.

Please Note
This can now be saved to a USB device so that the channel list can be copied to a new receiver.

1. Insert USB memory stick
2. To save the channel list press “Menu”, go to “Setting” upgrade “USB/Card upgrade” and then select required folder by pressing “Enter”.
3. Press “Blue” button to save.

To load channel list onto a new TSC114 Receiver:
Insert USB device.

1. Press “Menu” on RCU
2. Go to “Setting”, upgrade, “USB/Card upgrade” and then select folder where the file is saved on the USB device.
3. Select Userdb.bin file and press “Enter”
4. The channel list will then auto load onto the new TSC114 Receiver.

Appendix

How to Format and Partition a HDD using a PC

Formatting your External USB HDD using a PC

NOTE - Formatting your Drive will erase all stored data, and this will not be recoverable.

1. Connect your external HDD to the USB of the PC

2. Open “My Computer” Right Click on the External HDD drive letter. Please make sure that you click on the correct drive as formatting the PC system drive will result in damage to your PC.

3. Select Format from the list

4. Check the settings are as expected (Capacity of Drive, File System, etc), Put a tick in the box for “Quick Format” then click “Start”

5. Click “OK” to the warning screen

6. Please wait (the length depends on the size of the external HDD). Click “OK” to the “Format Complete” dialogue box. - You have now successfully Formatted you external HDD.

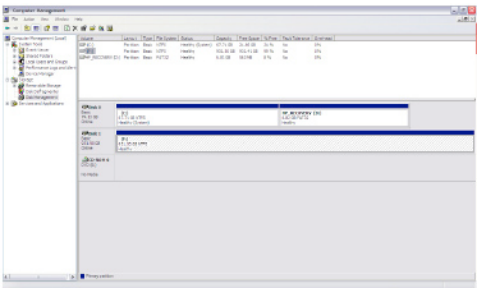
Partitioning your External USB HDD using a PC

NOTE by Partitioning your HDD you are dividing the HDD into multiple storage units.

1. Connect your external HDD to the USB of the PC

2. Right click on “My Computer” and select “Manage”

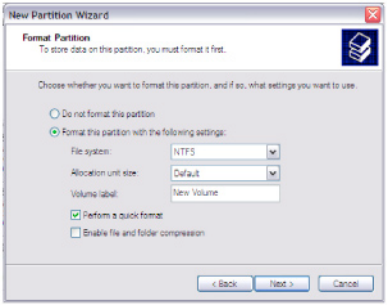
3. Select “Disk Management” from the list - You should then see a list of your available drives at the top of the screen.



4. Highlight the selected drive, then “Right Click” and select “Delete Partition” The drive then appears as “Unallocated”

5. Right click the drive and select “New Partition” – Go through the Wizard entering your size in MB. Eg. If you had a 1TB HDD and wanted to partition in to 2 drives of equal size you could enter 500000MB = 500GB. Click “Next” and assign a “Drive Letter” click “Next”.

6. On the next screen please select your required settings and tick “Quick Format” as below:

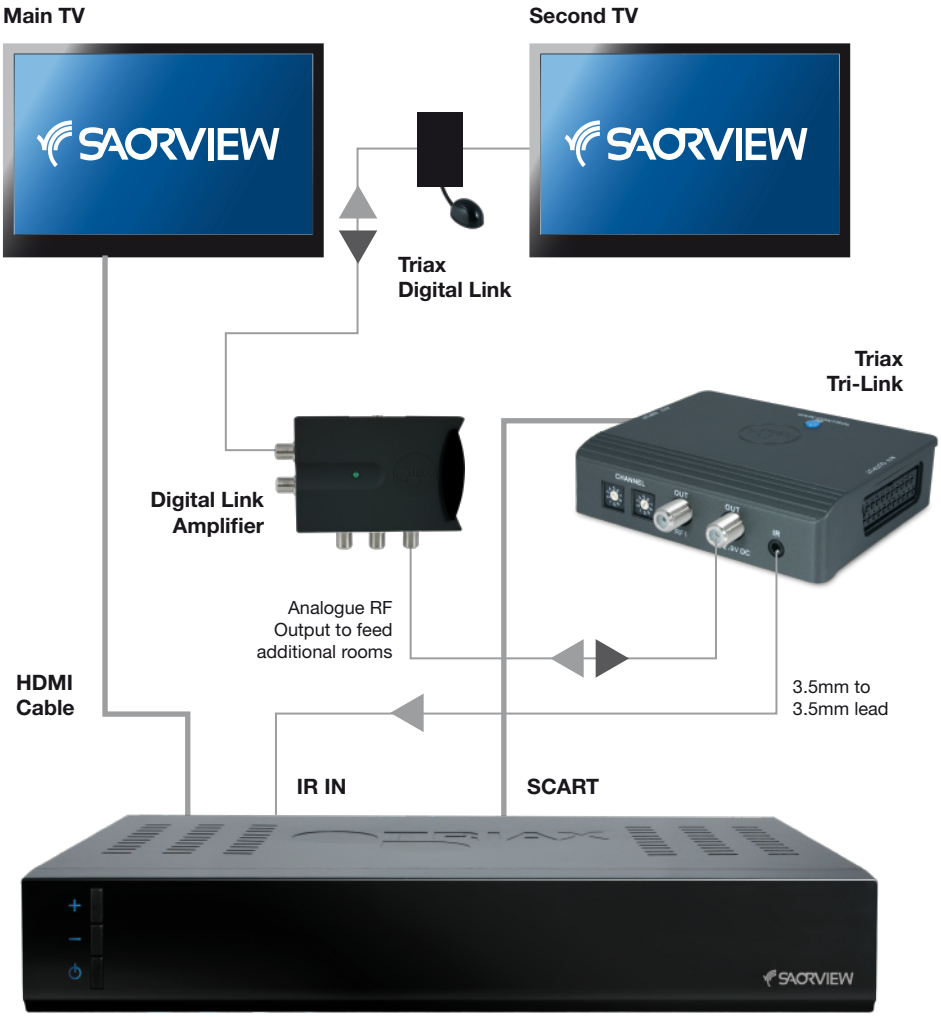

New Partition Wizard
Format Partition
To store data on this partition, you must format it first.
Choose whether you want to format this partition, and if so, what settings you want to use.
Do not format this partition
Format this partition with the following settings:
File system:
NTFS
Allocation unit size:
Default
Volume label:
New Volume
Perform a quick format
Enable file and folder compression
< Back
Next >
Cancel

7. Click “Next”, then Finish on the last screen.

8. When the Disk appears as health you have complete 1 partition in your process. Please repeat steps 5 to 8 for the remaining drives you require.

Appendix

Tri-Link Connection Diagram



View and Control TV Around Your Home

The TSC114 features an IR input for use with the Triax Tri-Link (code 370407) (Tri-Link product not included with TSC114)

The Tri-Link allows you to view and control your selected TV channel or recorded programmes from your HDD around the home.

Appendix

End of life disposal

Attention:
Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please recycle.

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries your local retailer may also take back your old product free of charge if you purchase a similar new one.

* Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

The battery supplied with this product contains traces of Lead.

For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes.

Terms of Guarantee

This product is supplied with a 24 month manufacturers guarantee from date of original purchase.

In the unlikely event of an issue occurring within this period, please contact your point of sale.
Proof of purchase will need to be supplied.

1 This guarantee only applies to defects due to faulty workmanship or materials.
It does not cover faults or damage caused by (but not limited to) accident, misuse, fair wear and tear, signal related issues, neglect, tampering with the product or repair other than by a facility appointed by Triax UK Ltd.

2 This product is intended for private domestic use only.
The guarantee will not apply if the product is used in the course of a business, trade or profession.

3 The product must be correctly installed and operated in accordance with the instructions contained in this operating manual.

4 Triax UK Ltd disclaims any liability for incidental or consequential damages.

5 This guarantee is in addition to, and does not diminish your statutory or legal rights.

Declaration of Conformity

Company Name:	**Triax UK Ltd**
Company Address:	**Abergorki Industrial Estate, Treorchy, Rhondda-Cynon-Taff CF42 6DL, UK**
Object of the Declaration:	**Triax TSC 114, Part Number 305018.**

The object of the declaration described above is in conformity with the requirements of the following documents:

Low voltage directive 2006/95/EC
EMC Directive 2004/108/EC
WEEE Directive 2002/96/EC
Batteries and Accumulators Directive 2006/66/EC
RoHS Directive 2002/95/EC
REACH Regulation 1907/2006/EC
CE Marking Directive 93/68/EEC
Packaging Directive 94/62/EC

The product identified above complies with the relevant EC Directives by meeting the following standards:

BS EN55013:2001+A1:2003+A2:2006 Test Limits for STB Receivers Disturbance Characteristics
BS EN55020:2007 Test Limits for STB Receivers Immunity Characteristics
BS EN60065:2002:A1:2006+A11:2008 Audio and Video Equipment Safety Requirements
BS EN 61000-3-2:2006 Test Limits for EMC Harmonic Currents
BS EN61000-3-3:2008 Test Limits for EMC Voltage Changes and fluctuations

The Declaration of Conformity is made in relation to the associated tests carried out and verified by our suppliers and their authorised test facilities.

Signed for and on behalf of:
TRIAX UK LTD

KEVIN EDWARDS……QUALITY MANAGER.
20th November 2011

SAORVIEW

IRELAND'S FREE DIGITAL TELEVISION SERVICE

TRIAX

Issue 1

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